Amendment under the PCT Article 34.

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To: Examiner

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1.   International Application: No. PCT/JP03/13347

2.   Applicant

          Name   NEC CORPORATION

          Address   7-1, Shiba 5-chome, Minato-ku,

10 Tokyo 108-8001 Japan

          Country   Japan

          Address   Japan

3   Attorney

          Name   KUDOH Minoru

15   Address   KADOYA BLDG. 6F, 24-10, Minamiooi

6-chome, Shinagawa-ku, Tokyo 140-0013 Japan

4   Object for Amendment   Claims

5   Contents of Amendment (the items shown below

have been corrected by ex officio)

20   Claims 1, 5 and 9 are deleted.

          Claims 2, 6, and 10-13 are amended as shown

in attached document.

6   List of Attached Document

          Claims from pages 42 to 46 (in the original

25 international application document)

CLAIMS

1.   A method of converting code which converts first codes based on a first system to second codes based on a second system,

5   characterized in that,

           when said first codes are unavailable, said second codes are obtained by directly using speech parameters which are ever decoded in accordance with said first system and are stored.

10

2.   The method of converting code according to claim 1, comprising:

           obtaining data of first linear prediction coefficients from said first codes;

15   obtaining data of first excitation signal from said first codes;

           storing said data of first linear prediction coefficients;

           storing said data of first excitation

20 signal;

           calculating data of first linear prediction coefficients from past data of first linear prediction coefficients which are stored;

           calculating data of first excitation

25 signal from past data of first excitation signal which are stored;

           obtaining data of second linear

prediction coefficients from said data of first

linear prediction coefficients; and

obtaining data of second excitation

signal from said data of first excitation signal.

5

3.   The method of converting code according

to claim 2, comprising:

generating a first speech signal by

driving a filter having any of first linear

10 prediction coefficients derived from said data

of first linear prediction coefficients and

second linear prediction coefficients derived

from said data of second linear prediction

coefficients by using a first excitation signal

15 derived from said data of first excitation

signal; and

obtaining data of second excitation

signal from said first speech signal and any of

said first linear prediction coefficients and

20 said second linear prediction coefficients.

4.   The method of converting code according

to claim 2 or 3,

wherein said data of excitation signal

25 includes any of an adaptive codebook data, a

fixed codebook data and a gain data.

5.   A code conversion apparatus, which converts first codes based on a first system to second codes based on a second system,

characterized in that,

5   when said first codes are unavailable, said second codes are obtained by directly using speech parameters which are ever decoded in accordance with said first system and are stored.

10 6.   The code conversion apparatus according to claim 5, comprising:

a linear prediction coefficients data decoding circuit configured to obtain data of first linear prediction coefficients from said

15 first codes;

an excitation signal data decoding circuit configured to obtain data of first excitation signal from said first codes;

a linear prediction coefficients data

20 storage circuit configured to store said data of first linear prediction coefficients;

an excitation signal data storage circuit configured to store said data of first excitation signal;

25   a linear prediction coefficients data calculating circuit configured to calculate data of first linear prediction coefficients from

past data of first linear prediction

coefficients which are stored;

an excitation signal data calculating

circuit configured to calculate data of first

5 excitation signal from past data of first

excitation signal which are stored;

a linear prediction coefficients data

encoding circuit configured to obtain data of

second linear prediction coefficients from said

10 data of first linear prediction coefficients;

and

an excitation signal data generating

circuit configured to obtain data of second

excitation signal from said data of first

15 excitation signal.

7.   The code conversion apparatus according

to claim 6, comprising:

a partial decoding circuit configured to

20 generate a first speech signal by driving a

filter having any of first linear prediction

coefficients derived from said data of first

linear prediction coefficients and second linear

prediction coefficients derived from said data

25 of second linear prediction coefficients by

using a first excitation signal derived from

said data of first excitation signal; and

an excitation signal data generating circuit configured to obtain data of second excitation signal from said first speech signal and any of said first linear prediction

5 coefficients and said second linear prediction coefficients.

8.   The code conversion apparatus according to claim 6 or 7,

10   wherein said data of excitation signal includes any of an adaptive codebook data, a fixed codebook data and a gain data.

9.   A program that causes a computer to

15 perform processes, said computer serving as a code conversion apparatus which converts first codes based on a first system to second codes based on a second system,

said processes are characterized in that,

20   when said first codes are unavailable, said second codes are obtained by directly using speech parameters which are ever decoded in accordance with said first system and are stored.

25 10.   The program according to claim 9, wherein said processes comprising: a process of obtaining data of first

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linear prediction coefficients from said first

codes;

a process of obtaining data of first

excitation signal from said first codes;

5   a process of storing said data of first

linear prediction coefficients;

a process of storing said data of first

excitation signal;

a process of calculating data of first

10   linear prediction coefficients from past data of

first linear prediction coefficients which are

stored;

a process of calculating data of first

excitation signal from past data of first

15   excitation signal which are stored;

a process of obtaining data of second

linear prediction coefficients from said data of

first linear prediction coefficients; and

a process of obtaining data of second

20   excitation signal from said data of first

excitation signal.

11.   The program according to claim 9 or 10,

wherein said processes comprising:

25   a process of generating a first speech

signal by driving a filter having any of first

linear prediction coefficients derived from said

data of first linear prediction coefficients and

second linear prediction coefficients derived

from said data of second linear prediction

coefficients by using a first excitation signal

5   derived from said data of first excitation

signal; and

a process of obtaining data of second

excitation signal from said first speech signal

and any of said first linear prediction

10   coefficients and said second linear prediction

coefficients.

12.   The program according to any of claims 9

to 11,

15   wherein said data of excitation signal

includes any of an adaptive codebook data, a

fixed codebook data and a gain data.

13.   A recording medium storing the program

20   according to any of claims 9 to 12.